

Appl. No. 10/633,859
Amdt. dated June 23, 2005
Reply to Office action of October 25, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A vacuum cleaner filter cartridge for a vacuum cleaning machine, comprising:

a cartridge body having an inlet and an outlet;

a first fan folded, single ply or multi layered filter for filtering air disposed therein between the said inlet and outlet portions of the cartridge body;

a pair of shells forming said cartridge and holding the fan-folded said filter paper;

said cartridge having a top cover shell which receives the inlet aperture.

said cartridge having a lower cover shell which contains the outlet aperture;

said top shell and said lower shell being generally square in cross section with two adjacent large radius corners and two adjacent small radius corners.

Claim 2 (currently amended): A filter cartridge as in claim 1, ~~wherein said outside cartridge has and length wherein~~ said cartridge has an outside length dimension of less than

11.80 inches (300 mm) and greater than 11.17 inches (284 mm).

Claim 3 (previously presented): A filter cartridge as in claim 1, wherein said cartridge has outside width dimensions less than 5.70 inches (145 mm) and greater than 5.07 inches (128 mm).

Claim 4 (previously presented): A filter cartridge as in claim 1, where two adjacent, longitudinal radii are less than 0.50 inches (12.7 mm) and greater than 0.40 inches (10.2 mm).

Claim 5 (previously presented): A filter cartridge as in claim 1, wherein two said adjacent, longitudinal radii are less than 0.125 inches (3.2 mm) and greater than 0.075 inches (1.9 mm).

Claim 6 (previously presented): A filter cartridge as in claim 1, wherein an inside diameter of said inlet is less than 1.26 inches (32 mm) and greater than 1.16 inches (29.5 mm).

Claim 7 (previously presented): A filter cartridge as in claim 1, wherein an inside diameter of said outlet is less than 1.95 inches (49.5 mm) and greater than 1.85 inches (47 mm).

Claim 8 (canceled)

Claim 9 (previously presented): A filter cartridge as in claim 1 wherein said filter is rated a HEPA filter.

Claim 10 (previously presented): A filter cartridge as in claim 1 wherein said filter is rated an ULPA filter.

Claim 11 (previously presented): A filter cartridge as in claim 1 wherein said fan folded filter includes at least 25 pleats.

Claim 12 (previously presented): A filter cartridge as in claim 1 wherein said fan folded filter contains pleats at least .75 inches (19.05 mm) in depth.

Claim 13 (previously presented): A vacuum cleaner filter cartridge for a vacuum cleaning machine, comprising:

a cartridge body having an inlet and an outlet;

at least a single layered fan folded filter for filtering air disposed therein between the said inlet and outlet portions of the cartridge body;

a pair of shells forming said cartridge and holding the fan-folded filter;

said cartridge having a top cover shell which receives the inlet aperture;

said cartridge having a lower cover shell which contains the outlet aperture;

said cartridge having an outside length dimension less than 11.80 inches (300 mm) and greater than 11.17 inches (284 mm);

said cartridge having an outside width dimensions less than 5.70 inches (145 mm) and greater than 5.07 inches (128 mm);

said cartridge having two adjacent, longitudinal radii less than 0.50 inches (12.7 mm) and greater than 0.40 inches (10.2 mm);

said cartridge having two adjacent, longitudinal radii less than 0.125 inches (3.2 mm) and greater than 0.075 inches (1.9 mm).

Claim 14 (canceled)

Claim 15 (currently amended): A filter cartridge ~~as in claim 14~~ for a vacuum cleaning machine, comprising:

a cartridge body having an inlet and an outlet;

at least a single layered fan folded filter for filtering air disposed therein between the said inlet and outlet portions of the cartridge body;

a pair of shells forming said cartridge and holding the fan-folded filter;

said cartridge having a top cover shell which receives the inlet aperture;

said cartridge having a lower cover shell which contains the outlet aperture;

said cartridge having an outside length dimension less than 11.80 inches (300 mm) and greater than 11.17 inches (284 mm);

said cartridge having an outside width dimensions less than 5.70 inches (145 mm) and greater than 5.07 inches (128 mm);

said cartridge having two adjacent, longitudinal radii less than 0.50 inches (12.7 mm) and greater than 0.40 inches (10.2 mm);

said cartridge having two adjacent, longitudinal radii less than 0.125 inches (3.2 mm) and greater than 0.075 inches (1.9 mm), where the said ~~manufacturers~~ vacuum cleaning machines are selected from the group consisting

of;

- a) Atrix International, Inc.: ~~Omega~~ OMEGA®, ~~Omega~~ OMEGA® Supreme, ~~UltiVae~~ ULTIVAC®, ~~UltiVae~~ ULTIVAC® DLX, ~~Menda~~ MENDA® Vac
- b) The 3M field Corporation: service vacuum cleaners models 497AJ, 497AB, 497AJH, 497ABD, 497AJK, 497AJM
- c) LaserVac, an Eltrex Company: The ~~Shark-9000~~ series II SHARK 9000 SERIES II®.